CITY OF EAST CHICAGO

Anthony Copeland, Mayor

East Chicago Sanitary District
Dr. Abderrahman Zehraoui, Director

5201 Indianapolis Boulevard
East Chicago, IN 46312
Phone: (219) 391-8466
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October 21, 2019

Natalie Maupin
Indiana Department of Environmental Management
Office of Water Quality-Mail Code 65-42
Compliance Evaluation Section-Pretreatment Group
100 North Senate
Indianapolis, IN 46204-2251

RE: East Chicago Sanitary District
Quarterly Compliance Pretreatment Report
2nd Quarter Report of 2017

To Natalie Maupin:

In accordance with Part III A (1) of the NPDES Permit No. 0022829, the East Chicago Sanitary District Pretreatment Staff has prepared and enclosed the Quarterly Report for the 2nd Quarter of 2017. Should you have any questions, please contact me at (219) 391-8466.

Sincerely,

Kenneth L. Myers

CC: Newton Ellens, USEPA
Abderrahman Zehraoui, Ph.D., Director of Utilities, ECSD
Nickie Geros, Pretreatment Coordinator, ECSD

Encls.

EAST CHICAGO SANITARY DISTRICT

EAST CHICAGO, INDIANA

2nd QUARTER

INDUSTRIAL COMPLIANCE STATUS REPORT

2017

The District has a total of 24 permitted Industrial Users (IUs), eight which are categorized as Significant Industrial Users (SIUs). The eight SIU permittees consist of five Categorical Industrial Users (CIUs) [Outfall #312 ï Electric Coatings, Outfall #415 - TAC East Inc., Outfall #514 ï National Processing Corporation, Outfall #521 - Lakeshore Railcar Services, and Outfall #901 ï Safety Kleen] and three other IUs [Outfall #401 ï W. R. Grace, Outfall #936 ï US Steel Corporation, and Outfall #951 US Gypsum].

Except for the permitted IUs involving groundwater remediation projects (Outfalls 112, 124 and 411), each of the permitted IUs are sampled on monthly basis, as a minimum. This compliance report covers the period from April 1, 2017 to June 30, 2017.

The permitted industrial users (IUs) were sampled during this quarter at the frequency listed below. Actual sample dates are provided in the Compliance Summaries included as an attachment.

		Number of Sampling Events		
Outfall	**Company**	**April**	**May**	**June**
112	GATX	0	0	0
124	Buckeye Pipeline	0	0	0
312	Electric Coatings	1	1	1
401	WR Grace	1	1	1
411	USS Lead Site	0	0	0
415	TAC East	1	1	1
421	Central States Marketing	1	1	1
511	Green Lake Tube	1	1	1
514	National Processing	1	1	1
518	ICO Polymers	1	1	1
521	Lakeshore Railcar	2	1	2
531	Praxair, Inc. Production	1	1	1
541	Praxair, Inc. Rare Gases	1	1	1
611	Arcelor Mittal- Research	1	1	1
702	Kemira Water Solutions	1	1	1
804	Arcelor Mittal East	1	1	1
805	Arcelor Mittal East	1	1	1
901	Safety-Kleen	2	2	3
931	Arcelor Mittal West	1	1	1
934	Arcelor Mittal West	1	1	1
935	Arcelor Mittal West	1	1	1
936	US Steel	1	1	1
941	Praxair, Inc. HyCO	1	1	1
951	US Gypsum	2	2	2

No sampling was completed at #112 GATX, consisting of a groundwater remediation system for treating impacted petroleum groundwater, did not complete sampling during the quarter as the remediation system was not installed as of this date.

Another IU, #124 Buckeye Pipeline, maintains a discharge permit for several dewatering and groundwater remediation projects. No sampling was performed during the second quarter as there were no discharges to the sanitary sewer outfall.

No sampling was performed at #411 USS Lead remediation site. This discharge consists of groundwater pumped as part of the hydraulic controls for their maintenance of the landfill cap at the property.

During the 2nd quarter of 2017, the following Categorical Industrial Users (CIUs) experienced violations with the following parameters and are summarized as follows:

East Chicago Sanitary District
Compliance Status Report
Report Date Range: 4/1/2017 - 6/30/2017

Varnu	Variable	Violation	Limit Description	Limit
52192	312 Available Cyanide {mg/L}	1	Daily Maximum Limit	>=0.004
57191	415 Amen. Cyanide {mg/L}	1	Daily Maximum Limit	>0.004
57171	415 Phenol {mg/L}	1	Daily Maximum Limit	>0.7
57411	415 Total Zinc (Zn) {mg/L}	1	Daily Maximum Limit	>5.5
58191	421 Amen. Cyanide {mg/L}	1	Daily Maximum Limit	>=0.004
58199	421 Cl2 Residual {mg/L}	1	Daily Maximum Limit	>0.4
60199	514 Cl2 Residual {mg/L}	1	Daily Maximum Limit	>0.4
60531	514 Total Molybdenum (Mo) {mg/L}	1	Daily Maximum Limit	>0.2
61421	518 Total Copper (Cu) {mg/L}	1	Daily Maximum Limit	>0.17
62191	521 Amen. Cyanide {mg/L}	5	Daily Maximum Limit	>=0.004
62199	521 Cl2 Residual {mg/L}	2	Daily Maximum Limit	>0.4
62171	521 Phenol {mg/L}	3	Daily Maximum Limit	>0.7
66191	611 Amen. Cyanide {mg/L}	1	Daily Maximum Limit	>=0.004
67191	702 Amen. Cyanide {mg/L}	2	Daily Maximum Limit	>=0.004
67481	702 Total Chromium(Cr) {mg/L}	1	Daily Maximum Limit	>0.282
67421	702 Total Copper (Cu) {mg/L}	1	Daily Maximum Limit	>0.17
70191	901 Amen. Cyanide {mg/L}	6	Daily Maximum Limit	>=0.004
70461	901 Total Mercury (Hg) {mg/L}	1	Daily Maximum Limit	>0.00029
71199	931 Cl2 Residual {mg/L}	1	Daily Maximum Limit	>0.4
76191	951 Amen. Cyanide {mg/L}	3	Daily Maximum Limit	>=0.004
76199	951 Cl2 Residual {mg/L}	1	Daily Maximum Limit	>0.4

No other violations were noted during the 2nd quarter 2017 pretreatment monitoring by the District or IU self-monitoring reports. The violations at the IUs noted above were handled in accordance with the Sanitary District's Response Plan and Sewer Ordinance. The following summarizes the Notices of Violations (NOVs) and fines that were issued to the various users. NOVs with no fines were issued to #951- US Gypsum and #521 Lakeshore Railcar for exceeding the residual chlorine limit as the residual chlorine content of the potable water supply may have attributed to the exceeding concentration.

Sample Date	Results Date	Outfall	Parameter(s)	Reported Concentration	NOV Letter Sent	Fine Amount
3-Apr	26-Apr	951	CN	0.004	1-May	$ 2,500
5-Apr	21-Apr	521	Phenol, CN	1.4,0.042	1-May	$ 3,000
12-Apr	24-Apr	702	Cu, Cr, CN	1.100,0.740,0.004	1-May	$ 3,000
19-Apr	27-Apr	415	CN, Phenol	0.072,2.3	5-May	$ 3,000
20-Apr	1-May	901	CN	0.051	5-May	$ 2,500
25-Apr	25-Apr	951	Res Cl2	0.5	28-Apr	not required
26-Apr	26-Apr	521	Res Cl2	2.2 mg/L	28-Apr	$ 1,500
26-Apr	5-May	521	Phenol, CN	1.0,0.098	9-May	$ 3,000
27-Apr	9-May	421	CN	0.004	15-May	$ 1,000

9-May	23-May	901	CN	0.007	31-May	$ 2,500
9-May	18-Aug	901	CN	0.007	18-Aug	$ 2,500
11-May	23-May	514	Mo	0.4	31-May	$ 2,000
16-May	26-May	951	CN	0.004	22-Jun	$ 2,500
17-May	18-Aug	312	CN	0.006	22-Aug	$ 2,000
23-May	8-Jun	521	CN	0.028	22-Jun	$ 1,000
24-May	7-Jun	702	CN	0.036	22-Jun	$ 1,000
31-May	15-Jun	901	CN, Hg	.007,0.0006	22-Jun	$ 5,000
31-May	13-Jun	951	CN	0.014	22-Jun	$ 2,500
12-Jun	16-Aug	901	CN	0.211	16-Aug	$ 2,500
14-Jun	29-Jun	521	CN	0.01	5-Jul	$ 1,000
21-Jun	5-Jul	521	CN, Phenol	2.6,0.009	6-Jul	$ 2,000
28-Jun	16-Aug	901	CN	0.123	16-Aug	$ 2,500
29-Jun	16-Aug	521	CN, Phenol	0.005,1.5	22-Aug	$ 2,500

A Quarterly Summary Report for each IU having a violation between the period April 1 through June 30, 2017 is included as an attachment to this letter.

Monthly Pretreatment Monitoring Report Summaries for IUs with Violations

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Apr 01, 2017 to Jun 30, 2017

Industry Name: *Electric Coating Technologies*

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	04/12/17	7.7	04/12/17	0.0000	04/12/17	0.0002	04/12/17	0.0017	04/12/17	0.0000
Sample #2 Date, Result	05/17/17	7.1	05/17/17	0.0000	05/25/17	0.0010	05/25/17	0.0050	05/17/17	0.0000
Sample #3 Date, Result	06/29/17	7.0	06/29/17	0.0000					05/25/17	0.0025
Minimum		7.0		0.0000		0.0002		0.0017		0.0000
Maximum		7.7		0.0000		0.0010		0.0050		0.0025
Average		7.3		0.0000		0.0006		0.0034		0.0008

	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	04/12/17	0.0180	04/12/17	0.0000	04/12/17	0.0000	04/12/17	0.0000	04/12/17	0.3200
Sample #2 Date, Result			05/17/17	0.0000	05/25/17	0.0025	05/17/17	0.0000	05/17/17	0.0870
Sample #3 Date, Result			05/25/17	0.0050			05/25/17	0.0050	05/25/17	0.0960
Minimum		0.0180		0.0000		0.0000		0.0000		0.0870
Maximum		0.0180		0.0050		0.0025		0.0050		0.3200
Average		0.0180		0.0017		0.0013		0.0017		0.1677

	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result	04/12/17	0.0014	04/12/17	0.0000	04/12/17	0.1400	04/12/17	0.0000	04/12/17	0.6200
Sample #2 Date, Result					05/17/17	0.1300			05/17/17	0.5400
Sample #3 Date, Result					06/29/17	0.1400			06/29/17	0.5100
Minimum		0.0014		0.0000		0.1300		0.0000		0.5100
Maximum		0.0014		0.0000		0.1400		0.0000		0.6200
Average		0.0014		0.0000		0.1367		0.0000		0.5567

	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	04/12/17	0.0900	04/12/17	0.0000	04/12/17	0.0000	04/12/17	0.0013	04/12/17	0.0000
Sample #2 Date, Result	05/17/17	0.1100			05/17/17	0.0000	05/17/17	0.0063	05/17/17	0.0000
Sample #3 Date, Result	06/29/17	0.1100			05/25/17	0.0050	06/29/17	0.0000	06/29/17	0.0000
Minimum		0.0900		0.0000		0.0000		0.0000		0.0000
Maximum		0.1100		0.0000		0.0050		0.0063		0.0000
Average		0.1033		0.0000		0.0017		0.0025		0.0000

	Total Toxic Organics		Chloroform		Naphthalene		Methylene Chloride		Biochemical Oxygen Demand	
Sample #1 Date, Result	05/25/17	0.0070	05/25/17	0.0020	05/25/17	0.0000	05/25/17	0.0050	04/12/17	2.6000
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum		0.0070		0.0020		0.0000		0.0050		2.6000
Maximum		0.0070		0.0020		0.0000		0.0050		2.6000
Average		0.0070		0.0020		0.0000		0.0050		2.6000

	Chloride		Chemical Oxygen Demand		TDS		TSS		Sulfate	
Sample #1 Date, Result	04/12/17	480.0000	04/12/17	35.0000	04/12/17	12,000.00	04/12/17	4.80	04/12/17	10,000.000
Sample #2 Date, Result	05/17/17	330.0000	05/17/17	24.0000	05/17/17	7,700.00	05/17/17	4.20	05/17/17	4,700.000
Sample #3 Date, Result	06/29/17	300.0000	06/29/17	0.0000	06/29/17	7,900.00	06/29/17	2.80	06/29/17	4,400.000
Minimum		300.0000		0.0000		7,700.00		2.80		4,400.000
Maximum		480.0000		35.0000		12,000.00		4.80		10,000.000
Average		370.0000		19.6667		9,200.00		3.93		6,366.667

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Apr 01, 2017 to Jun 30, 2017

Industry Name: *Electric Coating Technologies*

Daily Max Limits

Parameter	Units	Daily Max Limit	Violations	TRC Exceedances
Arsenic	mg/L	1.31	0	0
Cadmium*	mg/L	0.11	0	0
Copper*	mg/L	0.88	0	0
Lead*	mg/L	0.69	0	0
Molybdenum	mg/L	2.8	0	0
Nickel*	mg/L	0.80	0	0
Silver*	mg/L	0.43	0	0
Thallium	mg/L	NL	0	0
Zinc*	mg/L	2.61	0	0
Bis(2-ethylhexyl)phthalate	mg/l	1.03	0	0
Fluoranthene	mg/L	NL	0	0
Fluoride	mg/L	30	0	0
Mercury	mg/L	0.0002	0	0
Ammonia	mg/L	134	0	0
Phosphorus	mg/L	31	0	0
Phenols	mg/L	0.96	0	0
Chromium*	mg/L	7.0	0	0
Available Cyanide	mg/L	0.019	0	0
Oil & Grease	mg/L	117	0	0
Residual Chlorine	mg/L	NL	0	0
Total Toxic Organics*	mg/L	2.13	0	0

Monthly Average Limits

Parameter	Units	Monthly Average Limit	Average	Violations
Cadmium*	mg/L	0.07	0.0006	0
Chromium*	mg/L	1.71	0.0017	0
Copper*	mg/L	2.07	0.0034	0
Nickel*	mg/L	2.38	0.0017	0
Silver*	mg/L	0.24	0.0013	0
Zinc*	mg/L	1.48	0.1677	0
Lead*	mg/L	0.43	0.0008	0

Other Limits

Parameter	Units	Daily Minimum	Daily Maximum	Violations
Field pH	su	5	10	0

**Site Specific Limit*

Total Toxic Organics equals sum of chloroform, naphthalene and methylene chloride concentrations

***If not specified, the unit is in mg/L*

# of Violations and # of TRC Violations based upon 2018 adopted Local Limits

Technical Review Criteria (TRC) Exceedance - An exceedance of the daily max limit multiplied by a predetermined factor. This factor is 1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH.

If the number of TRC exceedances in a 6 month period is equal to or greater than 33% of the number of samples for a given pollutant, then a TRC violation is issued.

Site Specifc Limit - A limit that only applies to the given outfall, and is defined by the associated discharge permit. If multiple limits of the same type are shown, the more stringent limit is displayed.

- Indicates an exceedance for the highlighted sample.

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Apr 01, 2017 to Jun 30, 2017

Industry Name: *TAC East, Inc.*

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	04/19/17	6.5	04/19/17	0.00	04/19/17	0.0000	04/19/17	0.006	04/19/17	0.0000
Sample #2 Date, Result	05/17/17	6.4	05/17/17	0.0000	05/17/17	0.0003	05/17/17	0.017	05/17/17	0.0000
Sample #3 Date, Result	06/14/17	6.5	06/14/17	0.0000	06/14/17	0.0000	06/14/17	0.01	06/14/17	0.0000
Minimum		6.4		0.0000		0.0000		0.0056		0.0000
Maximum		6.5		0.0000		0.0003		0.0170		0.0000
Average		6.5		0.0000		0.0001		0.0101		0.0000

	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	05/17/17	0.0850	04/19/17	0.1000	04/19/17	0.0000	04/19/17	0.0000	04/19/17	4.6000
Sample #2 Date, Result			05/17/17	0.1900	05/17/17	0.0000	05/17/17	0.0000	05/17/17	6.4000
Sample #3 Date, Result			06/14/17	0.0740	06/14/17	0.0000	06/14/17	0.0000	06/14/17	1.1000
Minimum		0.0850		0.0740		0.0000		0.0000		1.1000
Maximum		0.0850		0.1900		0.0000		0.0000		6.4000
Average		0.0850		0.1213		0.0000		0.0000		4.0333

	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result	05/17/17	0.0000	05/17/17	0.0000	04/19/17	0.1000	05/17/17	0.0000	04/19/17	44.0000
Sample #2 Date, Result					05/17/17	0.1200			05/17/17	4.3000
Sample #3 Date, Result					06/14/17	0.0900			06/14/17	6.4000
Minimum		0.0000		0.0000		0.0900		0.0000		4.3000
Maximum		0.0000		0.0000		0.1200		0.0000		44.0000
Average		0.0000		0.0000		0.1033		0.0000		18.2333

	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	04/19/17	0.4300	04/19/17	2.3000	04/19/17	0.0033	04/19/17	0.0729	04/19/17	7.6000
Sample #2 Date, Result	05/17/17	1.1500	05/17/17	0.2400	05/17/17	0.0020	05/17/17	0.0022	05/17/17	11.1000
Sample #3 Date, Result	06/14/17	0.8400	06/14/17	0.0400	06/14/17	0.0012	06/14/17	0.0013	06/14/17	0.0000
Minimum		0.4300		0.0400		0.0012		0.0013		0.0000
Maximum		1.1500		2.3000		0.0033		0.0729		11.1000
Average		0.8067		0.8600		0.0022		0.0255		6.2333

	Residual Chlorine		Biochemical Oxygen Demand		Chemical Oxygen Demand		TDS		TSS	
Sample #1 Date, Result	04/19/17	0.0000	05/17/17	270.0000	04/19/17	2,200.0000	04/19/17	3,100.00	04/19/17	31.00
Sample #2 Date, Result	05/17/17	0.2000			05/17/17	970.0000	05/17/17	2,000.00	05/17/17	14.00
Sample #3 Date, Result	06/14/17	0.0500			06/14/17	660.0000	06/14/17	1,100.00	06/14/17	24.00
Minimum		0.0000		270.0000		660.0000		1,100.00		14.00
Maximum		0.2000		270.0000		2,200.0000		3,100.00		31.00
Average		0.0833		270.0000		1,276.6667		2,066.67		23.00

	Sulfate		SGT-HEM	
Sample #1 Date, Result	04/19/17	1,600.000		
Sample #2 Date, Result	05/17/17	870.000		
Sample #3 Date, Result	06/14/17	470.000		
Minimum		470.000		
Maximum		1,600.000		
Average		980.000		

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Apr 01, 2017 to Jun 30, 2017

Industry Name: *TAC East, Inc.*

Daily Max Limits

Parameter	Units	Daily Max Limit	Violations	TRC Exceedances
Arsenic	mg/L	1.31	0	0
Cadmium	mg/L		0	0
Copper*	mg/L	0.88	0	0
Lead	mg/L	2.28	0	0
Molybdenum	mg/L	2.8	0	0
Nickel	mg/L	0.80	0	0
Silver	mg/L		0	0
Thallium	mg/L		0	0
Zinc	mg/L	5.5	1	0
Bis(2-ethylhexyl)phthalate	mg/l	1.03	0	0
Fluoranthene	mg/L		0	0
Fluoride	mg/L	30	0	0
Mercury*	mg/L	0.0002	0	0
Ammonia	mg/L	134	0	0
Phosphorus	mg/L	31	0	0
Phenols	mg/L	0.96	1	1
Chromium	mg/L	7.0	0	0
Available Cyanide	mg/L	0.019	1	1
Oil & Grease	mg/L	117	0	0
Residual Chlorine	mg/L		0	0
SGT-HEM*	mg/L	26	0	0

Other Limits

Parameter	Units	Daily Minimum	Daily Maximum	Violations
Field pH	su	5	10	0

**Site Specific Limit*

***If not specified, the unit is in mg/L*

# of Violations and # of TRC Violations based upon 2018 adopted Local Limits

Technical Review Criteria (TRC) Exceedance - An exceedance of the daily max limit multiplied by a predetermined factor. This factor is 1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH.

If the number of TRC exceedances in a 6 month period is equal to or greater than 33% of the number of samples for a given pollutant, then a TRC violation is issued.

Site Specifc Limit - A limit that only applies to the given outfall, and is defined by the associated discharge permit. If multiple limits of the same type are shown, the more stringent limit is displayed.

- Indicates an exceedance for the highlighted sample.

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Apr 01, 2017 to Jun 30, 2017

Industry Name: *Central States Marketing Co.*

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	04/27/17	7.8	04/27/17	0.0000	04/27/17	0.0000	04/27/17	0.0120	04/27/17	0.0000
Sample #2 Date, Result	05/25/17	7.4	05/25/17	0.0000						
Sample #3 Date, Result	06/22/17	7.4	06/22/17	0.0000						
Minimum		7.4		0.0000		0.0000		0.0120		0.0000
Maximum		7.8		0.0000		0.0000		0.0120		0.0000
Average		7.5		0.0000		0.0000		0.0120		0.0000

	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	04/27/17	0.0022	04/27/17	0.0010	04/27/17	0.0000	04/27/17	0.0000	04/27/17	0.0000
Sample #2 Date, Result							05/25/17	0.0000		
Sample #3 Date, Result							06/22/17	0.0000		
Minimum		0.0022		0.0010		0.0000		0.0000		0.0000
Maximum		0.0022		0.0010		0.0000		0.0000		0.0000
Average		0.0022		0.0010		0.0000		0.0000		0.0000

	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result	04/27/17	0.0019	04/27/17	0.0000	04/27/17	0.1200	04/27/17	0.0001	04/27/17	0.1000
Sample #2 Date, Result					05/25/17	0.1200				
Sample #3 Date, Result					06/22/17	0.1200				
Minimum		0.0019		0.0000		0.1200		0.0001		0.1000
Maximum		0.0019		0.0000		0.1200		0.0001		0.1000
Average		0.0019		0.0000		0.1200		0.0001		0.1000

	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	04/27/17	0.6000	04/27/17	0.0000	04/27/17	0.0000	04/27/17	0.0045	04/27/17	0.0000
Sample #2 Date, Result							05/25/17	0.0000		
Sample #3 Date, Result										
Minimum		0.6000		0.0000		0.0000		0.0000		0.0000
Maximum		0.6000		0.0000		0.0000		0.0045		0.0000
Average		0.6000		0.0000		0.0000		0.0023		0.0000

	Residual Chlorine		Biochemical Oxygen Demand		Chemical Oxygen Demand		TDS		TSS	
Sample #1 Date, Result	04/27/17	0.4200	04/27/17	0.00	04/27/17	0.00	04/27/17	160.00	04/27/17	0.00
Sample #2 Date, Result					05/25/17	12.00	05/25/17	180.00	05/25/17	0.00
Sample #3 Date, Result					06/22/17	0.00	06/22/17	190.00	06/22/17	0.00
Minimum		0.4200		0.0000		0.0000		160.00		0.00
Maximum		0.4200		0.0000		12.0000		190.00		0.00
Average		0.4200		0.0000		4.0000		176.67		0.00

	Sulfate	
Sample #1 Date, Result	04/27/17	24.000
Sample #2 Date, Result	05/25/17	25.000
Sample #3 Date, Result	06/22/17	26.000
Minimum		24.000
Maximum		26.000
Average		25.000

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Apr 01, 2017 to Jun 30, 2017

Industry Name: *Central States Marketing Co.*

Daily Max Limits

Parameter	Units	Daily Max Limit	Violations	TRC Exceedances
Arsenic	mg/L	1.3	0	0
Cadmium	mg/L		0	0
Copper	mg/L	0.88	0	0
Lead	mg/L	2.280	0	0
Molybdenum	mg/L	2.8	0	0
Nickel	mg/L	0.80	0	0
Silver	mg/L		0	0
Thallium	mg/L		0	0
Zinc	mg/L	5.5	0	0
Bis(2-ethylhexyl)phthalate	mg/l	1.03	0	0
Fluoranthene	mg/L		0	0
Fluoride	mg/L	30.0	0	0
Mercury	mg/L	0.0002	0	0
Ammonia	mg/L	134	0	0
Phosphorus	mg/L	31.0	0	0
Phenols	mg/L	1.0	0	0
Chromium	mg/L	7.000	0	0
Available Cyanide	mg/L	0.019	0	0
Oil & Grease	mg/L	117	0	0
Residual Chlorine	mg/L		0	0

Other Limits

Parameter	Units	Daily Minimum	Daily Maximum	Violations
Field pH	su	5	10	0

**Site Specific Limit*
***If not specified, the unit is in mg/L*

Technical Review Criteria (TRC) Exceedance - An exceedance of the daily max limit multiplied by a predetermined factor. This factor is 1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH.
If the number of TRC exceedances in a 6 month period is equal to or greater than 33% of the number of samples for a given pollutant, then a TRC violation is issued.

Site Specifc Limit - A limit that only applies to the given outfall, and is defined by the associated discharge permit. If multiple limits of the same type are shown, the more stringent limit is displayed.

- Indicates an exceedance for the highlighted sample.

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Apr 01, 2017 to Jun 30, 2017

Industry Name: *514 National Processing Corp.*

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	04/10/17	7.3	04/10/17	0.0170	05/11/17	0.0000	04/10/17	0.0780	04/10/17	0.0000
Sample #2 Date, Result	05/11/17	7.7	05/11/17	0.0340			05/11/17	0.0720	05/11/17	0.0000
Sample #3 Date, Result	06/13/17	7.2	06/13/17	0.0110			06/13/17	0.0260	06/13/17	0.0000
Minimum		7.2		0.0110		0.0000		0.0260		0.0000
Maximum		7.7		0.0340		0.0000		0.0780		0.0000
Average		7.4		0.0207		0.0000		0.0587		0.0000

	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	05/11/17	0.4000	04/10/17	0.0640	05/11/17	0.0000	04/10/17	0.0000	04/10/17	0.0440
Sample #2 Date, Result			05/11/17	0.0890			05/11/17	0.0000	05/11/17	0.0330
Sample #3 Date, Result			06/13/17	0.0440			06/13/17	0.0000	06/13/17	0.0150
Minimum		0.4000		0.0440		0.0000		0.0000		0.0150
Maximum		0.4000		0.0890		0.0000		0.0000		0.0440
Average		0.4000		0.0657		0.0000		0.0000		0.0307

	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result	05/11/17	0.0000	05/11/17	0.0000	04/10/17	0.3500	05/11/17	0.0000	04/10/17	0.2300
Sample #2 Date, Result					05/11/17	0.3400			05/11/17	0.1500
Sample #3 Date, Result					06/13/17	0.1500			06/13/17	0.3400
Minimum		0.0000		0.0000		0.1500		0.0000		0.1500
Maximum		0.0000		0.0000		0.3500		0.0000		0.3400
Average		0.0000		0.0000		0.2800		0.0000		0.2400

	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	04/10/17	0.3300	05/11/17	0.0000	04/10/17	0.2600	05/11/17	0.0006	04/10/17	0.0000
Sample #2 Date, Result	05/11/17	0.6200			05/11/17	0.2100			05/11/17	0.0000
Sample #3 Date, Result	06/13/17	0.4200			06/13/17	0.1100			06/13/17	1.5000
Minimum		0.3300		0.0000		0.1100		0.0006		0.0000
Maximum		0.6200		0.0000		0.2600		0.0006		1.5000
Average		0.4567		0.0000		0.1933		0.0006		0.5000

	Residual Chlorine		Biochemical Oxygen Demand		Chemical Oxygen Demand		TDS		TSS	
Sample #1 Date, Result	05/11/17	0.8600	05/11/17	63.00	04/10/17	210.00	04/10/17	2,700.00	04/10/17	240.00
Sample #2 Date, Result					05/11/17	170.00	05/11/17	1,100.00	05/11/17	84.00
Sample #3 Date, Result					06/13/17	180.00	06/13/17	1,100.00	06/13/17	88.00
Minimum		0.8600		63.00		170.00		1,100.00		84.00
Maximum		0.8600		63.00		210.00		2,700.00		240.00
Average		0.8600		63.00		186.67		1,633.33		137.33

	Sulfate	
Sample #1 Date, Result	04/10/17	46.000
Sample #2 Date, Result	05/11/17	41.000
Sample #3 Date, Result	06/13/17	24.000
Minimum		24.000
Maximum		46.000
Average		37.000

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Apr 01, 2017 to Jun 30, 2017

Industry Name: *514 National Processing Corp.*

Daily Max Limits

Parameter	Units	Daily Max Limit	Violations	TRC Exceedances
Arsenic	mg/L	1.3	0	0
Cadmium	mg/L		0	0
Copper	mg/L	0.88	0	0
Lead	mg/L	2.280	0	0
Molybdenum	mg/L	2.8	0	0
Nickel	mg/L	0.80	0	0
Silver	mg/L		0	0
Thallium	mg/L		0	0
Zinc	mg/L	5.5	0	0
Bis(2-ethylhexyl)phthalate	mg/l	1.03	0	0
Fluoranthene	mg/L		0	0
Fluoride	mg/L	30.0	0	0
Mercury	mg/L	0.0002	0	0
Ammonia	mg/L	134	0	0
Phosphorus	mg/L	31.0	0	0
Phenols	mg/L	1.0	0	0
Chromium	mg/L	7.000	0	0
Available Cyanide	mg/L	0.019	0	0
Oil & Grease	mg/L	117	0	0
Residual Chlorine	mg/L		0	0

Other Limits

Parameter	Units	Daily Minimum	Daily Maximum	Violations
Field pH	su	5	10	0

**Site Specific Limit*
***If not specified, the unit is in mg/L*
# of Violations and # of TRC Violations based upon 2018 adopted Local Limits
Technical Review Criteria (TRC) Exceedance - An exceedance of the daily max limit multiplied by a predetermined factor. This factor is 1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH.
If the number of TRC exceedances in a 6 month period is equal to or greater than 33% of the number of samples for a given pollutant, then a TRC violation is issued.

Site Specifc Limit - A limit that only applies to the given outfall, and is defined by the associated discharge permit. If multiple limits of the same type are shown, the more stringent limit is displayed.

- Indicates an exceedance for the highlighted sample.

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Apr 01, 2017 to Jun 30, 2017

Industry Name: *ICO Polymers North America, Inc. (IPNA)*

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	04/05/17	7.5	04/05/17	0.0000	04/05/17	0.0140	04/05/17	0.4300	04/05/17	0.0940
Sample #2 Date, Result	05/03/17	7.5								
Sample #3 Date, Result	06/14/17	7.8								
Minimum		7.5		0.0000		0.0140		0.4300		0.0940
Maximum		7.8		0.0000		0.0140		0.4300		0.0940
Average		7.6		0.0000		0.0140		0.4300		0.0940

	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	04/05/17	0.0054	04/05/17	0.0370	04/05/17	0.0006	04/05/17	0.0000	04/05/17	1.1000
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum		0.0054		0.0370		0.0006		0.0000		1.1000
Maximum		0.0054		0.0370		0.0006		0.0000		1.1000
Average		0.0054		0.0370		0.0006		0.0000		1.1000

	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result	04/05/17	0.0150	04/05/17	0.0000	04/05/17	0.1400	04/05/17	0.0001	04/05/17	0.1200
Sample #2 Date, Result					05/03/17	0.1400			05/03/17	0.1600
Sample #3 Date, Result					06/14/17	0.1200			06/14/17	0.1600
Minimum		0.0150		0.0000		0.1200		0.0001		0.1200
Maximum		0.0150		0.0000		0.1400		0.0001		0.1600
Average		0.0150		0.0000		0.1333		0.0001		0.1467

	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	04/05/17	0.8100	04/05/17	0.0000	04/05/17	0.0420	04/05/17	0.0009	04/05/17	10.4000
Sample #2 Date, Result	05/03/17	1.0300	05/03/17	0.0000			05/03/17	0.0000	05/03/17	20.0000
Sample #3 Date, Result	06/14/17	1.2700	06/14/17	0.0500			06/14/17	0.0011	06/14/17	3.4000
Minimum		0.8100		0.0000		0.0420		0.0000		3.4000
Maximum		1.2700		0.0500		0.0420		0.0011		20.0000
Average		1.0367		0.0167		0.0420		0.0007		11.2667

	Residual Chlorine		Biochemical Oxygen Demand		Chemical Oxygen Demand		TDS		TSS	
Sample #1 Date, Result	04/05/17	0.0000	04/05/17	0.00	04/05/17	660.0000	04/05/17	180.00	04/05/17	620.00
Sample #2 Date, Result	05/03/17	0.0000			05/03/17	640.0000	05/03/17	210.00	05/03/17	830.00
Sample #3 Date, Result	06/14/17	0.0400			06/14/17	16.0000	06/14/17	190.00	06/14/17	38.00
Minimum		0.0000		0.0000		16.0000		180.00		38.00
Maximum		0.0400		0.0000		660.0000		210.00		830.00
Average		0.0133		0.0000		438.6667		193.33		496.00

	Sulfate	
Sample #1 Date, Result	04/05/17	37.000
Sample #2 Date, Result	05/03/17	37.000
Sample #3 Date, Result	06/14/17	29.000
Minimum		29.000
Maximum		37.000
Average		34.333

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Apr 01, 2017 to Jun 30, 2017

Industry Name: *ICO Polymers North America, Inc. (IPNA)*

Daily Max Limits

Parameter	Units	Daily Max Limit	Violations	TRC Exceedances
Arsenic	mg/L	1.31	0	0
Cadmium	mg/L		0	0
Copper	mg/L	0.88	0	0
Lead	mg/L	2.28	0	0
Molybdenum	mg/L	2.8	0	0
Nickel	mg/L	0.80	0	0
Silver	mg/L		0	0
Thallium	mg/L		0	0
Zinc	mg/L	5.5	0	0
Bis(2-ethylhexyl)phthalate	mg/l	1.03	0	0
Fluoranthene	mg/L		0	0
Fluoride	mg/L	30	0	0
Mercury	mg/L	0.0002	0	0
Ammonia	mg/L	134	0	0
Phosphorus	mg/L	31	0	0
Phenols	mg/L	0.96	0	0
Chromium	mg/L	7.0	0	0
Available Cyanide	mg/L	0.019	0	0
Oil & Grease	mg/L	117	0	0
Residual Chlorine	mg/L		0	0

Other Limits

Parameter	Units	Daily Minimum	Daily Maximum	Violations
Field pH	su	5	10	0

**Site Specific Limit*
***If not specified, the unit is in mg/L*
# of Violations and # of TRC Violations based upon 2018 adopted Local Limits
Technical Review Criteria (TRC) Exceedance - An exceedance of the daily max limit multiplied by a predetermined factor. This factor is 1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH.
If the number of TRC exceedances in a 6 month period is equal to or greater than 33% of the number of samples for a given pollutant, then a TRC violation is issued.

Site Specifc Limit - A limit that only applies to the given outfall, and is defined by the associated discharge permit. If multiple limits of the same type are shown, the more stringent limit is displayed.

- Indicates an exceedance for the highlighted sample.

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Apr 01, 2017 to Apr 30, 2017

Industry Name: *Lakeshore Railcar & Tanker Services*

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	04/05/17	8.3	04/05/17	0.0110			04/05/17	0.0100	04/05/17	0.0000
Sample #2 Date, Result	04/26/17	8.3	04/26/17	0.0000			04/26/17	0.0210	04/26/17	0.0000
Sample #3 Date, Result										
Minimum		8.3		0.0000				0.0100		0.0000
Maximum		8.3		0.0110				0.0210		0.0000
Average		8.3		0.0055				0.0155		0.0000

	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result					04/05/17	0.0000	04/05/17	0.0000	04/05/17	0.0092
Sample #2 Date, Result					04/26/17	0.0000	04/26/17	0.0000	04/26/17	0.0200
Sample #3 Date, Result										
Minimum						0.0000		0.0000		0.0092
Maximum						0.0000		0.0000		0.0200
Average						0.0000		0.0000		0.0146

	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result					04/05/17	0.5000	04/05/17	0.00000	04/05/17	1.0000
Sample #2 Date, Result					04/26/17	0.2400	04/26/17	0.00010	04/26/17	0.3200
Sample #3 Date, Result										
Minimum						0.2400		0.00000		0.3200
Maximum						0.5000		0.00010		1.0000
Average						0.3700		0.00005		0.6600

	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	04/05/17	0.4000	04/05/17	1.4000	04/05/17	0.0030	04/05/17	0.0425	04/05/17	2.00
Sample #2 Date, Result	04/26/17	2.8800	04/26/17	1.0000	04/26/17	0.0012	04/26/17	0.0981	04/26/17	11.30
Sample #3 Date, Result										
Minimum		0.4000		1.0000		0.0012		0.0425		2.00
Maximum		2.8800		1.4000		0.0030		0.0981		11.30
Average		1.6400		1.2000		0.0021		0.0703		6.65

	Residual Chlorine		Tin		In-Plant Cyanide		SGT-HEM		Phenanthrene	
Sample #1 Date, Result	04/05/17	0.0100								
Sample #2 Date, Result	04/26/17	2.2000								
Sample #3 Date, Result										
Minimum		0.0100								
Maximum		2.2000								
Average		1.1050								

	Sulfate		TDS		TSS		Biochemical Oxygen Demand		Chemical Oxygen Demand	
Sample #1 Date, Result	04/05/17	660.00	04/05/17	1,900.00	04/05/17	11.00			04/05/17	980.00
Sample #2 Date, Result	04/26/17	170.00	04/26/17	2,000.00	04/26/17	13.00			04/26/17	530.00
Sample #3 Date, Result										
Minimum		170.00		1,900.00		11.00				530.00
Maximum		660.00		2,000.00		13.00				980.00
Average		415.00		1,950.00		12.00				755.00

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Apr 01, 2017 to Apr 30, 2017

Industry Name: *Lakeshore Railcar & Tanker Services*

	Antimony		Cobalt		Titanium		Vanadium		Carbazole	
Sample #1 Date, Result										
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum										
Maximum										
Average										

	o-Cresol		p-Cresol		n-Decane		n-Octadecane		2,4,6-Trichlorophenol	
Sample #1 Date, Result										
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum										
Maximum										
Average										

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Apr 01, 2017 to Apr 30, 2017

Industry Name: *Lakeshore Railcar & Tanker Services*

Daily Max Limits

Parameter	Units	Daily Max Limit	Violations	TRC Exceedances
Arsenic*	mg/L	0.162	0	0
Cadmium	mg/L	0.474	0	0
Copper	mg/L	0.5	0	0
Lead	mg/L	0.350	0	0
Molybdenum	mg/L	2.8	0	0
Nickel	mg/L	0.80	0	0

Monthly Average Limits*

Parameter	Units	Monthly Average Limit	Average	Violations
Antimony	mg/L	0.2060		
Arsenic	mg/L	0.1040	0.0055	0
Cadmium	mg/L	0.0962		
Chromium	mg/L	0.3230	0.0021	0
Cobalt	mg/L	0.1240		
Copper	mg/L	0.2420	0.0155	0

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report May 01, 2017 to May 31, 2017

Industry Name: *Lakeshore Railcar & Tanker Services*

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	05/23/17	7.1	05/23/17	0.0047			05/23/17	0.0280	05/23/17	0.0000
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum		7.1		0.0047				0.0280		0.0000
Maximum		7.1		0.0047				0.0280		0.0000
Average		7.1		0.0047				0.0280		0.0000

	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result					05/23/17	0.0000	05/23/17	0.0000	05/23/17	0.0077
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum						0.0000		0.0000		0.0077
Maximum						0.0000		0.0000		0.0077
Average						0.0000		0.0000		0.0077

	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result					05/23/17	0.0500	05/23/17	0.00000	05/23/17	5.7000
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum						0.0500		0.00000		5.7000
Maximum						0.0500		0.00000		5.7000
Average						0.0500		0.00000		5.7000

	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	05/23/17	0.1500	05/23/17	0.2500	05/23/17	0.0006	05/23/17	0.0282	05/23/17	0.00
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum		0.1500		0.2500		0.0006		0.0282		0.00
Maximum		0.1500		0.2500		0.0006		0.0282		0.00
Average		0.1500		0.2500		0.0006		0.0282		0.00

	Residual Chlorine		Tin		In-Plant Cyanide		SGT-HEM		Phenanthrene	
Sample #1 Date, Result	05/23/17	0.1600								
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum		0.1600								
Maximum		0.1600								
Average		0.1600								

	Sulfate		TDS		TSS		Biochemical Oxygen Demand		Chemical Oxygen Demand	
Sample #1 Date, Result	05/23/17	410.00	05/23/17	1,300.00	05/23/17	13.00			05/23/17	550.00
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum		410.00		1,300.00		13.00				550.00
Maximum		410.00		1,300.00		13.00				550.00
Average		410.00		1,300.00		13.00				550.00

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report May 01, 2017 to May 31, 2017

Industry Name: *Lakeshore Railcar & Tanker Services*

	Antimony		Cobalt		Titanium		Vanadium		Carbazole	
Sample #1 Date, Result										
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum										
Maximum										
Average										

	o-Cresol		p-Cresol		n-Decane		n-Octadecane		2,4,6-Trichlorophenol	
Sample #1 Date, Result										
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum										
Maximum										
Average										

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report May 01, 2017 to May 31, 2017

Industry Name: *Lakeshore Railcar & Tanker Services*

Daily Max Limits

Parameter	Units	Daily Max Limit	Violations	TRC Exceedances
Arsenic*	mg/L	0.162	0	0
Cadmium	mg/L	0.474	0	0
Copper	mg/L	0.5	0	0
Lead	mg/L	0.350	0	0
Molybdenum	mg/L	2.8	0	0
Nickel	mg/L	0.80	0	0

Monthly Average Limits*

Parameter	Units	Monthly Average Limit	Average	Violations
Antimony	mg/L	0.2060		
Arsenic	mg/L	0.1040	0.0047	0
Cadmium	mg/L	0.0962		
Chromium	mg/L	0.3230	0.0006	0
Cobalt	mg/L	0.1240		
Copper	mg/L	0.2420	0.0280	0

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jun 01, 2017 to Jun 30, 2017

Industry Name: *Lakeshore Railcar & Tanker Services*

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	06/14/17	8.1	06/14/17	0.0000			06/14/17	0.0260	06/14/17	0.0000
Sample #2 Date, Result	06/29/17	8.7	06/29/17	0.0000			06/29/17	0.0140	06/29/17	0.0000
Sample #3 Date, Result										
Minimum		8.1		0.0000				0.0140		0.0000
Maximum		8.7		0.0000				0.0260		0.0000
Average		8.4		0.0000				0.0200		0.0000

	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result					06/14/17	0.0000	06/14/17	0.0000	06/14/17	0.0360
Sample #2 Date, Result					06/29/17	0.0000	06/29/17	0.0000	06/29/17	0.0540
Sample #3 Date, Result										
Minimum						0.0000		0.0000		0.0360
Maximum						0.0000		0.0000		0.0540
Average						0.0000		0.0000		0.0450

	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result					06/14/17	0.1200	06/14/17	0.00010	06/14/17	3.0000
Sample #2 Date, Result					06/29/17	0.4700	06/29/17	0.00000	06/29/17	3.2000
Sample #3 Date, Result										
Minimum						0.1200		0.00000		3.0000
Maximum						0.4700		0.00010		3.2000
Average						0.2950		0.00005		3.1000

	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	06/14/17	0.3500	06/14/17	0.5500	06/14/17	0.0034	06/14/17	0.0103	06/14/17	3.20
Sample #2 Date, Result	06/29/17	0.2800	06/29/17	1.5000	06/29/17	0.0028	06/29/17	0.0056	06/29/17	2.80
Sample #3 Date, Result										
Minimum		0.2800		0.5500		0.0028		0.0056		2.80
Maximum		0.3500		1.5000		0.0034		0.0103		3.20
Average		0.3150		1.0250		0.0031		0.0079		3.00

	Residual Chlorine		Tin		In-Plant Cyanide		SGT-HEM		Phenanthrene	
Sample #1 Date, Result	06/14/17	0.4800					06/21/17	4.8000	06/21/17	0.0120
Sample #2 Date, Result	06/29/17	0.1000								
Sample #3 Date, Result										
Minimum		0.1000						4.8000		0.0120
Maximum		0.4800						4.8000		0.0120
Average		0.2900						4.8000		0.0120

	Sulfate		TDS		TSS		Biochemical Oxygen Demand		Chemical Oxygen Demand	
Sample #1 Date, Result	06/14/17	180.00	06/14/17	1,500.00	06/14/17	20.00			06/14/17	470.00
Sample #2 Date, Result	06/29/17	600.00	06/29/17	2,300.00	06/29/17	35.00			06/29/17	630.00
Sample #3 Date, Result					06/30/17	35.00			06/30/17	630.00
Minimum		180.00		1,500.00		20.00				470.00
Maximum		600.00		2,300.00		35.00				630.00
Average		390.00		1,900.00		30.00				576.67

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jun 01, 2017 to Jun 30, 2017

Industry Name: *Lakeshore Railcar & Tanker Services*

	Antimony		Cobalt		Titanium		Vanadium		Carbazole	
Sample #1 Date, Result										
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum										
Maximum										
Average										

	o-Cresol		p-Cresol		n-Decane		n-Octadecane		2,4,6-Trichlorophenol	
Sample #1 Date, Result										
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum										
Maximum										
Average										

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jun 01, 2017 to Jun 30, 2017

Industry Name: *Lakeshore Railcar & Tanker Services*

Daily Max Limits

Parameter	Units	Daily Max Limit	Violations	TRC Exceedances
Arsenic*	mg/L	0.162	0	0
Cadmium	mg/L	0.474	0	0
Copper	mg/L	0.5	0	0
Lead	mg/L	0.350	0	0
Molybdenum	mg/L	2.8	0	0
Nickel	mg/L	0.80	0	0

Monthly Average Limits*

Parameter	Units	Monthly Average Limit	Average	Violations
Antimony	mg/L	0.2060		
Arsenic	mg/L	0.1040	0.0000	0
Cadmium	mg/L	0.0962		
Chromium	mg/L	0.3230	0.0031	0
Cobalt	mg/L	0.1240		
Copper	mg/L	0.2420	0.0200	0

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Apr 01, 2017 to Jun 30, 2017

Industry Name: *Outfall 611 - ArcelorMittal - Harbor East*

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	04/04/17	7.3	04/04/17	0.0039	05/15/17	0.0000	05/15/17	0.0440	04/04/17	0.0000
Sample #2 Date, Result	05/15/17	7.7	05/15/17	0.0000					05/15/17	0.0000
Sample #3 Date, Result	06/21/17	9.0	06/21/17	0.0000					06/21/17	0.0000
Minimum		7.3		0.0000		0.0000		0.0440		0.0000
Maximum		9.0		0.0039		0.0000		0.0440		0.0000
Average		8.0		0.0013		0.0000		0.0440		0.0000

	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	05/15/17	0.0140	05/15/17	0.0019	05/15/17	0.0000	04/04/17	0.0000	04/04/17	0.0200
Sample #2 Date, Result							05/15/17	0.0000	05/15/17	0.0250
Sample #3 Date, Result							06/21/17	0.0000	06/21/17	0.0240
Minimum		0.0140		0.0019		0.0000		0.0000		0.0200
Maximum		0.0140		0.0019		0.0000		0.0000		0.0250
Average		0.0140		0.0019		0.0000		0.0000		0.0230

	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result	05/15/17	0.0000	05/15/17	0.0000	04/04/17	0.2200	05/15/17	0.0001	05/15/17	0.5600
Sample #2 Date, Result					05/15/17	0.1500				
Sample #3 Date, Result					06/21/17	0.1200				
Minimum		0.0000		0.0000		0.1200		0.0001		0.5600
Maximum		0.0000		0.0000		0.2200		0.0001		0.5600
Average		0.0000		0.0000		0.1633		0.0001		0.5600

	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	05/15/17	0.6800	05/15/17	0.0000	05/15/17	0.0011	05/15/17	0.0048	05/15/17	4.2000
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum		0.6800		0.0000		0.0011		0.0048		4.2000
Maximum		0.6800		0.0000		0.0011		0.0048		4.2000
Average		0.6800		0.0000		0.0011		0.0048		4.2000

	Residual Chlorine		Biochemical Oxygen Demand		Chemical Oxygen Demand		TDS		TSS	
Sample #1 Date, Result	05/15/17	0.1900	05/15/17	13.00	04/04/17	59.00	04/04/17	270.00	04/04/17	26.00
Sample #2 Date, Result					05/15/17	45.00	05/15/17	190.00	05/15/17	16.00
Sample #3 Date, Result					06/21/17	64.00	06/21/17	180.00	06/21/17	24.00
Minimum		0.1900		13.00		45.00		180.00		16.00
Maximum		0.1900		13.00		64.00		270.00		26.00
Average		0.1900		13.00		56.00		213.33		22.00

	Sulfate	
Sample #1 Date, Result	04/04/17	38.000
Sample #2 Date, Result	05/15/17	30.000
Sample #3 Date, Result	06/21/17	29.000
Minimum		29.000
Maximum		38.000
Average		32.333

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Apr 01, 2017 to Jun 30, 2017

Industry Name: *Outfall 611 - ArcelorMittal - Harbor East*

Daily Max Limits

Parameter	Units	Daily Max Limit	Violations	TRC Exceedances
Arsenic	mg/L	1.31	0	0
Cadmium	mg/L		0	0
Copper	mg/L	0.88	0	0
Lead	mg/L	2.28	0	0
Molybdenum	mg/L	2.8	0	0
Nickel	mg/L	0.80	0	0
Silver	mg/L		0	0
Thallium	mg/L		0	0
Zinc	mg/L	5.5	0	0
Bis(2-ethylhexyl)phthalate	mg/l	1.03	0	0
Fluoranthene	mg/L		0	0
Fluoride	mg/L	30	0	0
Mercury	mg/L	0.0002	0	0
Ammonia	mg/L	134	0	0
Phosphorus	mg/L	31	0	0
Phenols	mg/L	0.96	0	0
Chromium	mg/L	7.0	0	0
Available Cyanide	mg/L	0.019	0	0
Oil & Grease	mg/L	117	0	0
Residual Chlorine	mg/L		0	0

Other Limits

Parameter	Units	Daily Minimum	Daily Maximum	Violations
Field pH	su	5	10	0

**Site Specific Limit*

***If not specified, the unit is in mg/L*

# of Violations and # of TRC Violations based upon 2018 adopted Local Limits

Technical Review Criteria (TRC) Exceedance - An exceedance of the daily max limit multiplied by a predetermined factor. This factor is 1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH.

If the number of TRC exceedances in a 6 month period is equal to or greater than 33% of the number of samples for a given pollutant, then a TRC violation is issued.

Site Specifc Limit - A limit that only applies to the given outfall, and is defined by the associated discharge permit. If multiple limits of the same type are shown, the more stringent limit is displayed.

- Indicates an exceedance for the highlighted sample.

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Apr 01, 2017 to Jun 30, 2017

Industry Name: *Kemira Water Solutions, Inc.*

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	04/12/17	6.1	04/12/17	0.0000	04/12/17	0.0054	04/12/17	1.1000	04/12/17	0.0000
Sample #2 Date, Result	05/24/17	3.9	05/24/17	0.0000	05/24/17	0.0000	05/24/17	0.0460	05/24/17	0.0000
Sample #3 Date, Result	06/21/17	2.7	06/21/17	0.0000	06/21/17	0.0000	06/21/17	0.1300	06/21/17	0.0260
Minimum		2.7		0.0000		0.0000		0.0460		0.0000
Maximum		6.1		0.0000		0.0054		1.1000		0.0260
Average		4.2		0.0000		0.0018		0.4253		0.0087

	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	05/24/17	0.0057	04/12/17	0.3200	04/12/17	0.0000	04/12/17	0.0054	04/12/17	0.1200
Sample #2 Date, Result			05/24/17	0.2100	05/24/17	0.0000	05/24/17	0.0043	05/24/17	0.2000
Sample #3 Date, Result			06/21/17	0.0670	06/21/17	0.0000	06/21/17	0.0000	06/21/17	0.1000
Minimum		0.0057		0.0670		0.0000		0.0000		0.1000
Maximum		0.0057		0.3200		0.0000		0.0054		0.2000
Average		0.0057		0.1990		0.0000		0.0032		0.1400

	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result	05/24/17	0.0000	05/24/17	0.0000	04/12/17	0.0400	04/12/17	0.0000	04/12/17	1.4000
Sample #2 Date, Result					05/24/17	0.8800	05/24/17	0.0000	06/21/17	2.4000
Sample #3 Date, Result					06/21/17	1.1000	06/21/17	0.0001		
Minimum		0.0000		0.0000		0.0400		0.0000		1.4000
Maximum		0.0000		0.0000		1.1000		0.0001		2.4000
Average		0.0000		0.0000		0.6733		0.0000		1.9000

	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	04/12/17	0.2200	04/12/17	0.0000	04/12/17	0.7400	04/12/17	0.0045	04/12/17	0.0000
Sample #2 Date, Result	05/24/17	0.1100	05/24/17	0.0000	05/24/17	0.0580	05/24/17	0.0363	05/24/17	0.0000
Sample #3 Date, Result	06/21/17	0.1200	06/21/17	0.0000	06/21/17	0.0750	06/21/17	0.0005	06/21/17	0.0000
Minimum		0.1100		0.0000		0.0580		0.0005		0.0000
Maximum		0.2200		0.0000		0.7400		0.0363		0.0000
Average		0.1500		0.0000		0.2910		0.0137		0.0000

	Residual Chlorine		Biochemical Oxygen Demand		Chemical Oxygen Demand		TDS		TSS	
Sample #1 Date, Result	04/12/17	0.1800	05/24/17	0.00	04/12/17	230.00	04/12/17	2,800.00	04/12/17	950.00
Sample #2 Date, Result	06/21/17	0.0100			05/24/17	170.00	05/24/17	3,700.00	05/24/17	44.00
Sample #3 Date, Result					06/21/17	44.00	06/21/17	4,100.00	06/21/17	48.00
Minimum		0.0100		0.00		44.00		2,800.00		44.00
Maximum		0.1800		0.00		230.00		4,100.00		950.00
Average		0.0950		0.00		148.00		3,533.33		347.33

	Sulfate	
Sample #1 Date, Result	04/12/17	26.000
Sample #2 Date, Result	05/24/17	49.000
Sample #3 Date, Result	06/21/17	26.000
Minimum		26.000
Maximum		49.000
Average		33.667

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Apr 01, 2017 to Jun 30, 2017

Industry Name: *Kemira Water Solutions, Inc.*

Daily Max Limits

Parameter	Units	Daily Max Limit	Violations	TRC Exceedances
Arsenic	mg/L	0.5	0	0
Cadmium	mg/L	0.14	0	0
Copper	mg/L	0.17	1	1
Lead	mg/L	0.224	0	0
Molybdenum	mg/L	0.2	0	0
Nickel	mg/L	0.39	0	0
Silver	mg/L	0.05	0	0
Thallium	mg/L	4.3	0	0
Zinc	mg/L	5.5	0	0
Bis(2-ethylhexyl)phthalate	mg/l	1.03	0	0
Fluoranthene	mg/L	0.69	0	0
Fluoride	mg/L	2.9	0	0
Mercury	mg/L	0.0002	0	0
Ammonia	mg/L	77	0	0
Phosphorus	mg/L	5.5	0	0
Phenols	mg/L	0.7	0	0
Chromium	mg/L	0.282	1	1
Available Cyanide	mg/L	0.003	2	2
Oil & Grease	mg/L	50	0	0
Residual Chlorine	mg/L	0.4	0	0

Other Limits

Parameter	Units	Daily Minimum	Daily Maximum	Violations
Field pH	su	5	10	2

**Site Specific Limit*
***If not specified, the unit is in mg/L*

Technical Review Criteria (TRC) Exceedance - An exceedance of the daily max limit multiplied by a predetermined factor. This factor is 1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH.
If the number of TRC exceedances in a 6 month period is equal to or greater than 33% of the number of samples for a given pollutant, then a TRC violation is issued.

Site Specifc Limit - A limit that only applies to the given outfall, and is defined by the associated discharge permit. If multiple limits of the same type are shown, the more stringent limit is displayed.

- Indicates an exceedance for the highlighted sample.

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Apr 01, 2017 to Apr 30, 2017

Industry Name: *Safety Kleen Systems*

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	04/03/17	6.2	04/03/17	0.0000			04/03/17	0.0240	04/03/17	0.01300
Sample #2 Date, Result	04/20/17	6.7	04/20/17	0.0075			04/20/17	0.0020	04/20/17	0.02600
Sample #3 Date, Result										
Minimum		6.2		0.0000				0.0020		0.0130
Maximum		6.7		0.0075				0.0240		0.0260
Average		6.5		0.0038				0.0130		0.0195

	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	04/03/17	0.00280	04/03/17	0.00370			04/03/17	0.00000	04/03/17	0.2900
Sample #2 Date, Result	04/20/17	0.02500	04/20/17	0.00260			04/20/17	0.00000	04/20/17	0.0100
Sample #3 Date, Result										
Minimum		0.0028		0.0026				0.0000		0.0100
Maximum		0.0250		0.0037				0.0000		0.2900
Average		0.0139		0.0032				0.0000		0.1500

	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result					04/03/17	0.54	04/03/17	0.00012	04/03/17	11.00
Sample #2 Date, Result					04/20/17	0.91	04/20/17	0.00009	04/20/17	4.80
Sample #3 Date, Result										
Minimum						0.5400		0.0001		4.8000
Maximum						0.9100		0.0001		11.0000
Average						0.7250		0.0001		7.9000

	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	04/03/17	0.1100	04/03/17	0.0800	04/03/17	0.0050	04/03/17	0.2240	04/03/17	2.2000
Sample #2 Date, Result	04/20/17	0.2100	04/20/17	0.0500	04/20/17	0.0010	04/20/17	0.0512	04/20/17	2.7000
Sample #3 Date, Result										
Minimum		0.1100		0.0500		0.0010		0.0512		2.2000
Maximum		0.2100		0.0800		0.0050		0.2240		2.7000
Average		0.1600		0.0650		0.0030		0.1376		2.4500

	Residual Chlorine		Tin		Sulfate		Biochemical Oxygen Demand		Chemical Oxygen Demand	
Sample #1 Date, Result	04/03/17	0.0700			04/03/17	350.000			04/03/17	690.00
Sample #2 Date, Result	04/20/17	0.0400			04/20/17	390.000			04/20/17	670.00
Sample #3 Date, Result										
Minimum		0.0400				350.000				670.00
Maximum		0.0700				390.000				690.00
Average		0.0550				370.000				680.00

	TDS		TSS	
Sample #1 Date, Result	04/03/17	1,700.00	04/03/17	34.00
Sample #2 Date, Result	04/20/17	1,900.00	04/20/17	27.00
Sample #3 Date, Result				
Minimum				27.00
Maximum				34.00
Average				30.50

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Apr 01, 2017 to Apr 30, 2017

Industry Name: *Safety Kleen Systems*

	Antimony		Cobalt		Titanium		Vanadium		Carbazole	
Sample #1 Date, Result										
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum										
Maximum										
Average										

	o-Cresol		p-Cresol		n-Decane		n-Octadecane		2,4,6-Trichlorophenol	
Sample #1 Date, Result										
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum										
Maximum										
Average										

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Apr 01, 2017 to Apr 30, 2017

Industry Name: *Safety Kleen Systems*

Daily Max Limits

Parameter	Units	Daily Max Limit	Violations	TRC Exceedances
Arsenic*	mg/L	1.310	0	0
Cadmium	mg/L		0	0
Copper	mg/L	0.88	0	0
Lead*	mg/L	2.280	0	0
Molybdenum	mg/L	2.8	0	0
Nickel	mg/L	0.80	0	0

Monthly Average Limits*

Parameter	Units	Monthly Average Limit	Average	Violations
Antimony	mg/L	0.2060		
Arsenic	mg/L	0.1040	0.0038	0
Cadmium	mg/L	0.0962		
Chromium	mg/L	0.4870	0.0030	0
Cobalt	mg/L	0.1240		
Copper	mg/L	0.3010	0.0130	0

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

May 01, 2017 to May 31, 2017

Industry Name: *Safety Kleen Systems*

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	05/09/17	7.4	05/09/17	0.0077	05/09/17	0.00000	05/09/17	0.0019	05/09/17	0.00830
Sample #2 Date, Result	05/31/17	7.1	05/31/17	0.0099			05/31/17	0.0041	05/31/17	0.00000
Sample #3 Date, Result										
Minimum		7.1		0.0077		0.0000		0.0019		0.0000
Maximum		7.4		0.0099		0.0000		0.0041		0.0083
Average		7.3		0.0088		0.0000		0.0030		0.0042

	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	05/09/17	0.01700	05/09/17	0.00300	05/09/17	0.00000	05/09/17	0.00000	05/09/17	0.0120
Sample #2 Date, Result	05/31/17	0.05600	05/31/17	0.00690			05/31/17	0.00000	05/31/17	0.0810
Sample #3 Date, Result										
Minimum		0.0170		0.0030		0.0000		0.0000		0.0120
Maximum		0.0560		0.0069		0.0000		0.0000		0.0810
Average		0.0365		0.0050		0.0000		0.0000		0.0465

	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result	05/09/17	0.0000	05/09/17	0.000	05/09/17	0.87	05/09/17	0.00006	05/09/17	4.70
Sample #2 Date, Result					05/31/17	1.00	05/31/17	0.00062	05/31/17	46.00
Sample #3 Date, Result										
Minimum		0.0000		0.0000		0.8700		0.0001		4.7000
Maximum		0.0000		0.0000		1.0000		0.0006		46.0000
Average		0.0000		0.0000		0.9350		0.0003		25.3500

	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	05/09/17	0.2200	05/09/17	0.0200	05/09/17	0.0007	05/09/17	0.0078	05/09/17	2.2000
Sample #2 Date, Result	05/31/17	0.4400	05/31/17	0.0500	05/31/17	0.0013	05/31/17	0.1500	05/31/17	0.0000
Sample #3 Date, Result										
Minimum		0.2200		0.0200		0.0007		0.0078		0.0000
Maximum		0.4400		0.0500		0.0013		0.1500		2.2000
Average		0.3300		0.0350		0.0010		0.0789		1.1000

	Residual Chlorine		Tin		Sulfate		Biochemical Oxygen Demand		Chemical Oxygen Demand	
Sample #1 Date, Result	05/09/17	0.1100			05/09/17	440.000	05/09/17	28.00	05/09/17	350.00
Sample #2 Date, Result	05/31/17	0.0200			05/31/17	540.000			05/31/17	630.00
Sample #3 Date, Result										
Minimum		0.0200				440.000		28.00		350.00
Maximum		0.1100				540.000		28.00		630.00
Average		0.0650				490.000		28.00		490.00

	TDS		TSS	
Sample #1 Date, Result	05/09/17	1,800.00	05/09/17	19.00
Sample #2 Date, Result	05/31/17	1,100.00	05/31/17	210.00
Sample #3 Date, Result				
Minimum				19.00
Maximum				210.00
Average				114.50

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

May 01, 2017 to May 31, 2017

Industry Name: *Safety Kleen Systems*

	Antimony		Cobalt		Titanium		Vanadium		Carbazole	
Sample #1 Date, Result										
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum										
Maximum										
Average										

	o-Cresol		p-Cresol		n-Decane		n-Octadecane		2,4,6-Trichlorophenol	
Sample #1 Date, Result										
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum										
Maximum										
Average										

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

May 01, 2017 to May 31, 2017

Industry Name: *Safety Kleen Systems*

Daily Max Limits

Parameter	Units	Daily Max Limit	Violations	TRC Exceedances
Arsenic*	mg/L	1.310	0	0
Cadmium	mg/L		0	0
Copper	mg/L	0.88	0	0
Lead*	mg/L	2.280	0	0
Molybdenum	mg/L	2.8	0	0
Nickel	mg/L	0.80	0	0

Monthly Average Limits*

Parameter	Units	Monthly Average Limit	Average	Violations
Antimony	mg/L	0.2060		
Arsenic	mg/L	0.1040	0.0088	0
Cadmium	mg/L	0.0962	0.0000	0
Chromium	mg/L	0.4870	0.0010	0
Cobalt	mg/L	0.1240		
Copper	mg/L	0.3010	0.0030	0

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jun 01, 2017 to Jun 30, 2017

Industry Name: *Safety Kleen Systems*

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	06/02/17	7.0	06/12/17	0.0070			06/02/17	0.0120	06/02/17	0.00310
Sample #2 Date, Result	06/12/17	7.1	06/28/17	0.0085			06/12/17	0.0012	06/12/17	0.00000
Sample #3 Date, Result	06/28/17	7.0					06/28/17	0.0010	06/28/17	0.00000
Minimum		7.0		0.0070				0.0010		0.0000
Maximum		7.1		0.0085				0.0120		0.0031
Average		7.0		0.0078				0.0047		0.0010

	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	06/02/17	0.05700	06/12/17	0.00490			06/12/17	0.00000	06/02/17	0.1000
Sample #2 Date, Result	06/12/17	0.02700	06/28/17	0.00240			06/28/17	0.00000	06/12/17	0.0260
Sample #3 Date, Result	06/28/17	0.01200							06/28/17	0.0200
Minimum		0.0120		0.0024				0.0000		0.0200
Maximum		0.0570		0.0049				0.0000		0.1000
Average		0.0320		0.0037				0.0000		0.0487

	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result	06/02/17	0.0000	06/02/17	0.000	06/12/17	0.93	06/12/17	0.00000	06/12/17	31.00
Sample #2 Date, Result					06/28/17	0.83	06/28/17	0.00016	06/28/17	13.00
Sample #3 Date, Result										
Minimum		0.0000		0.0000		0.8300		0.0000		13.0000
Maximum		0.0000		0.0000		0.9300		0.0002		31.0000
Average		0.0000		0.0000		0.8800		0.0001		22.0000

	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	06/12/17	0.1200	06/12/17	0.0500	06/02/17	0.0014	06/12/17	0.2110	06/12/17	0.0000
Sample #2 Date, Result	06/28/17	0.1500	06/28/17	0.1300	06/12/17	0.0010	06/28/17	0.1230	06/28/17	0.0000
Sample #3 Date, Result					06/28/17	0.0006				
Minimum		0.1200		0.0500		0.0006		0.1230		0.0000
Maximum		0.1500		0.1300		0.0014		0.2110		0.0000
Average		0.1350		0.0900		0.0010		0.1670		0.0000

	Residual Chlorine		Tin		Sulfate		Biochemical Oxygen Demand		Chemical Oxygen Demand	
Sample #1 Date, Result	06/12/17	0.0300	06/02/17	0.01	06/12/17	450.000			06/12/17	300.00
Sample #2 Date, Result	06/28/17	0.0100			06/28/17	380.000			06/28/17	310.00
Sample #3 Date, Result										
Minimum		0.0100		0.0060		380.000				300.00
Maximum		0.0300		0.0060		450.000				310.00
Average		0.0200		0.0060		415.000				305.00

	TDS		TSS	
Sample #1 Date, Result	06/12/17	910.00	06/12/17	12.00
Sample #2 Date, Result	06/28/17	930.00	06/28/17	42.00
Sample #3 Date, Result				
Minimum				12.00
Maximum				42.00
Average				27.00

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jun 01, 2017 to Jun 30, 2017

Industry Name: *Safety Kleen Systems*

	Antimony		Cobalt		Titanium		Vanadium		Carbazole	
Sample #1 Date, Result			06/02/17	0.0020					06/02/17	0.0000
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum				0.0020						0.0000
Maximum				0.0020						0.0000
Average				0.0020						0.0000

	o-Cresol		p-Cresol		n-Decane		n-Octadecane		2,4,6-Trichlorophenol	
Sample #1 Date, Result					06/02/17	0.0000	06/02/17	0.0000		
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum						0.0000		0.0000		
Maximum						0.0000		0.0000		
Average						0.0000		0.0000		

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jun 01, 2017 to Jun 30, 2017

Industry Name: *Safety Kleen Systems*

Daily Max Limits

Parameter	Units	Daily Max Limit	Violations	TRC Exceedances
Arsenic*	mg/L	1.310	0	0
Cadmium	mg/L		0	0
Copper	mg/L	0.88	0	0
Lead*	mg/L	2.280	0	0
Molybdenum	mg/L	2.8	0	0
Nickel	mg/L	0.80	0	0

Monthly Average Limits*

Parameter	Units	Monthly Average Limit	Average	Violations
Antimony	mg/L	0.2060		
Arsenic	mg/L	0.1040	0.0078	0
Cadmium	mg/L	0.0962		
Chromium	mg/L	0.4870	0.0010	0
Cobalt	mg/L	0.1240	0.0020	0
Copper	mg/L	0.3010	0.0047	0

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Apr 01, 2017 to Jun 30, 2017

Industry Name: *Outfall 931 - Arcelormittal in Harbor West*

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	04/26/17	6.3	04/26/17	0.0000	06/20/17	0.0000	06/20/17	0.0038	04/26/17	0.0130
Sample #2 Date, Result	05/01/17	6.2	05/01/17	0.0000					05/01/17	0.0048
Sample #3 Date, Result	06/20/17	6.5	06/20/17	0.0000					06/20/17	0.0000
Minimum		6.2		0.0000		0.0000		0.0038		0.0000
Maximum		6.5		0.0000		0.0000		0.0038		0.0130
Average		6.3		0.0000		0.0000		0.0038		0.0059

	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	06/20/17	0.0040	06/20/17	0.0000	06/20/17	0.0000	04/26/17	0.0000	04/26/17	0.5000
Sample #2 Date, Result							05/01/17	0.0038	05/01/17	0.2500
Sample #3 Date, Result							06/20/17	0.0000	06/20/17	0.0420
Minimum		0.0040		0.0000		0.0000		0.0000		0.0420
Maximum		0.0040		0.0000		0.0000		0.0038		0.5000
Average		0.0040		0.0000		0.0000		0.0013		0.2640

	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result	06/20/17	0.0000	06/20/17	0.0000	04/26/17	0.16	06/20/17	0.0001	06/20/17	3.8000
Sample #2 Date, Result					05/01/17	0.32				
Sample #3 Date, Result					06/20/17	0.19				
Minimum		0.0000		0.0000		0.1600		0.0001		3.8000
Maximum		0.0000		0.0000		0.3200		0.0001		3.8000
Average		0.0000		0.0000		0.2233		0.0001		3.8000

	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	06/20/17	1.1300	06/20/17	0.0100	06/20/17	0.0007	06/20/17	0.0011	06/20/17	3.7000
Sample #2 Date, Result										
Sample #3 Date, Result										
Minimum		1.1300		0.0100		0.0007		0.0011		3.7000
Maximum		1.1300		0.0100		0.0007		0.0011		3.7000
Average		1.1300		0.0100		0.0007		0.0011		3.7000

	Residual Chlorine		Biochemical Oxygen Demand		Chemical Oxygen Demand		TDS		TSS	
Sample #1 Date, Result	06/20/17	1.0000	06/20/17	9.90	04/26/17	150.00	04/26/17	240.00	04/26/17	220.00
Sample #2 Date, Result					05/01/17	110.00	05/01/17	450.00	05/01/17	67.00
Sample #3 Date, Result					06/20/17	44.00	06/20/17	230.00	06/20/17	12.00
Minimum		1.0000		9.90		44.00		230.00		12.00
Maximum		1.0000		9.90		150.00		450.00		220.00
Average		1.0000		9.90		101.33		306.67		99.67

	Sulfate	
Sample #1 Date, Result	04/26/17	33.000
Sample #2 Date, Result	05/01/17	51.000
Sample #3 Date, Result	06/20/17	30.000
Minimum		30.000
Maximum		51.000
Average		38.000

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Apr 01, 2017 to Jun 30, 2017

Industry Name: *Outfall 931 - Arcelormittal in Harbor West*

Daily Max Limits

Parameter	Units	Daily Max Limit	Violations	TRC Exceedances
Arsenic	mg/L	1.31	0	0
Cadmium	mg/L		0	0
Copper	mg/L	0.88	0	0
Lead	mg/L	2.28	0	0
Molybdenum	mg/L	2.8	0	0
Nickel	mg/L	0.80	0	0
Silver	mg/L		0	0
Thallium	mg/L		0	0
Zinc	mg/L	5.5	0	0
Bis(2-ethylhexyl)phthalate	mg/l	1.03	0	0
Fluoranthene	mg/L		0	0
Fluoride	mg/L	30	0	0
Mercury	mg/L	0.0002	0	0
Ammonia	mg/L	134	0	0
Phosphorus	mg/L	31	0	0
Phenols	mg/L	0.96	0	0
Chromium	mg/L	7.0	0	0
Available Cyanide	mg/L	0.019	0	0
Oil & Grease	mg/L	117	0	0
Residual Chlorine	mg/L		0	0

Other Limits

Parameter	Units	Daily Minimum	Daily Maximum	Violations
Field pH	su	5	10	0

**Site Specific Limit*
***If not specified, the unit is in mg/L*
# of Violations and # of TRC Violations based upon 2018 adopted Local Limits
Technical Review Criteria (TRC) Exceedance - An exceedance of the daily max limit multiplied by a predetermined factor. This factor is 1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH.
If the number of TRC exceedances in a 6 month period is equal to or greater than 33% of the number of samples for a given pollutant, then a TRC violation is issued.

Site Specifc Limit - A limit that only applies to the given outfall, and is defined by the associated discharge permit. If multiple limits of the same type are shown, the more stringent limit is displayed.

- Indicates an exceedance for the highlighted sample.

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Apr 01, 2017 to Apr 30, 2017

Industry Name: *United States Gypsum Company*

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	04/03/17	7.4	04/03/17	0.0094			04/03/17	0.0000	04/03/17	0.0023
Sample #2 Date, Result	04/25/17	7.5	04/25/17	0.0000			04/25/17	0.0150	04/25/17	0.0000
Sample #3 Date, Result										
Minimum		7.4		0.0000				0.0000		0.0000
Maximum		7.5		0.0094				0.0150		0.0023
Average		7.5		0.0047				0.0075		0.0012

	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result					04/03/17	0.0000	04/03/17	0.0000		
Sample #2 Date, Result					04/25/17	0.0000	04/25/17	0.0000		
Sample #3 Date, Result										
Minimum						0.0000		0.0000		
Maximum						0.0000		0.0000		
Average						0.0000		0.0000		

	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result					04/03/17	0.2500			04/03/17	6.4000
Sample #2 Date, Result					04/25/17	0.3000			04/25/17	5.4000
Sample #3 Date, Result										
Minimum						0.2500				5.4000
Maximum						0.3000				6.4000
Average						0.2750				5.9000

	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	04/03/17	4.3800					04/03/17	0.0047	04/03/17	2.8000
Sample #2 Date, Result	04/25/17	2.7600					04/25/17	0.0018	04/25/17	4.3000
Sample #3 Date, Result										
Minimum		2.7600						0.0018		2.8000
Maximum		4.3800						0.0047		4.3000
Average		3.5700						0.0032		3.5500

	Residual Chlorine		Biochemical Oxygen Demand		Chemical Oxygen Demand		TDS		TSS	
Sample #1 Date, Result	04/03/17	0.0000			04/03/17	550.00	04/03/17	190.00	04/03/17	760.00
Sample #2 Date, Result	04/25/17	0.5800			04/25/17	400.00	04/25/17	250.00	04/25/17	1,000.00
Sample #3 Date, Result										
Minimum		0.0000				400.00		190.00		760.00
Maximum		0.5800				550.00		250.00		1,000.00
Average		0.2900				475.00		220.00		880.00

	Sulfate	
Sample #1 Date, Result	04/03/17	110.000
Sample #2 Date, Result	04/25/17	110.000
Sample #3 Date, Result		
Minimum		110.000
Maximum		110.000
Average		110.000

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Apr 01, 2017 to Apr 30, 2017

Industry Name: *United States Gypsum Company*

Daily Max Limits

Parameter	Units	Daily Max Limit	Violations	TRC Exceedances
Arsenic	mg/L	1.31	0	0
Cadmium	mg/L		0	0
Copper	mg/L	0.88	0	0
Lead	mg/L	2.28	0	0
Molybdenum	mg/L	2.8	0	0
Nickel	mg/L	0.80	0	0
Silver	mg/L		0	0
Thallium	mg/L		0	0
Zinc	mg/L	5.5	0	0
Bis(2-ethylhexyl)phthalate	mg/l	1.03	0	0
Fluoranthene	mg/L		0	0
Fluoride	mg/L	30	0	0
Mercury	mg/L	0.0002	0	0
Ammonia	mg/L	134	0	0
Phosphorus	mg/L	31	0	0
Phenols	mg/L	0.96	0	0
Chromium	mg/L	7.0	0	0
Available Cyanide	mg/L	0.019	0	0
Oil & Grease	mg/L	117	0	0
Residual Chlorine	mg/L		0	0

Other Limits

Parameter	Units	Daily Minimum	Daily Maximum	Violations
Field pH	su	5	10	0

**Site Specific Limit*
***If not specified, the unit is in mg/L*
# of Violations and # of TRC Violations based upon 2018 adopted Local Limits
Technical Review Criteria (TRC) Exceedance - An exceedance of the daily max limit multiplied by a predetermined factor. This factor is 1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH.
If the number of TRC exceedances in a 6 month period is equal to or greater than 33% of the number of samples for a given pollutant, then a TRC violation is issued.

Site Specifc Limit - A limit that only applies to the given outfall, and is defined by the associated discharge permit. If multiple limits of the same type are shown, the more stringent limit is displayed.

- Indicates an exceedance for the highlighted sample.

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

May 01, 2017 to May 01, 2017

Industry Name: *United States Gypsum Company*

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	05/16/17	7.4	05/16/17	0.0000			05/16/17	0.0200	05/16/17	0.0000
Sample #2 Date, Result	05/31/17	7.6	05/31/17	0.0056			05/31/17	0.0075	05/31/17	0.0000
Sample #3 Date, Result										
Minimum		7.4		0.0000				0.0075		0.0000
Maximum		7.6		0.0056				0.0200		0.0000
Average		7.5		0.0028				0.0138		0.0000

	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result					05/16/17	0.0000	05/16/17	0.0000		
Sample #2 Date, Result					05/31/17	0.0000	05/31/17	0.0000		
Sample #3 Date, Result										
Minimum						0.0000		0.0000		
Maximum						0.0000		0.0000		
Average						0.0000		0.0000		

	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result					05/16/17	0.6100			05/16/17	4.5000
Sample #2 Date, Result					05/31/17	0.2300			05/31/17	3.7000
Sample #3 Date, Result										
Minimum						0.2300				3.7000
Maximum						0.6100				4.5000
Average						0.4200				4.1000

	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	05/16/17	3.9000					05/16/17	0.0027	05/16/17	2.3000
Sample #2 Date, Result	05/31/17	1.5500					05/31/17	0.0149	05/31/17	14.3000
Sample #3 Date, Result										
Minimum		1.5500						0.0027		2.3000
Maximum		3.9000						0.0149		14.3000
Average		2.7250						0.0088		8.3000

	Residual Chlorine		Biochemical Oxygen Demand		Chemical Oxygen Demand		TDS		TSS	
Sample #1 Date, Result	05/16/17	0.1200			05/16/17	760.00	05/16/17	850.00	05/16/17	1,500.00
Sample #2 Date, Result	05/31/17	0.0000			05/31/17	140.00	05/31/17	460.00	05/31/17	440.00
Sample #3 Date, Result										
Minimum		0.0000				140.00		460.00		440.00
Maximum		0.1200				760.00		850.00		1,500.00
Average		0.0600				450.00		655.00		970.00

	Sulfate	
Sample #1 Date, Result	05/16/17	440.000
Sample #2 Date, Result	05/31/17	84.000
Sample #3 Date, Result		
Minimum		84.000
Maximum		440.000
Average		262.000

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

May 01, 2017 to May 01, 2017

Industry Name: *United States Gypsum Company*

Daily Max Limits

Parameter	Units	Daily Max Limit	Violations	TRC Exceedances
Arsenic	mg/L	1.31	0	0
Cadmium	mg/L		0	0
Copper	mg/L	0.88	0	0
Lead	mg/L	2.28	0	0
Molybdenum	mg/L	2.8	0	0
Nickel	mg/L	0.80	0	0
Silver	mg/L		0	0
Thallium	mg/L		0	0
Zinc	mg/L	5.5	0	0
Bis(2-ethylhexyl)phthalate	mg/l	1.03	0	0
Fluoranthene	mg/L		0	0
Fluoride	mg/L	30	0	0
Mercury	mg/L	0.0002	0	0
Ammonia	mg/L	134	0	0
Phosphorus	mg/L	31	0	0
Phenols	mg/L	0.96	0	0
Chromium	mg/L	7.0	0	0
Available Cyanide	mg/L	0.019	0	0
Oil & Grease	mg/L	117	0	0
Residual Chlorine	mg/L		0	0

Other Limits

Parameter	Units	Daily Minimum	Daily Maximum	Violations
Field pH	su	5	10	0

**Site Specific Limit*
***If not specified, the unit is in mg/L*
# of Violations and # of TRC Violations based upon 2018 adopted Local Limits
Technical Review Criteria (TRC) Exceedance - An exceedance of the daily max limit multiplied by a predetermined factor. This factor is 1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH.
If the number of TRC exceedances in a 6 month period is equal to or greater than 33% of the number of samples for a given pollutant, then a TRC violation is issued.

Site Specifc Limit - A limit that only applies to the given outfall, and is defined by the associated discharge permit. If multiple limits of the same type are shown, the more stringent limit is displayed.

- Indicates an exceedance for the highlighted sample.

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jun 01, 2017 to Jun 30, 2017

Industry Name: *United States Gypsum Company*

	Field pH		Arsenic		Cadmium		Copper		Lead	
Sample #1 Date, Result	06/15/17	8.0	06/15/17	0.0000	06/15/17	0.0000	06/15/17	0.0042	06/15/17	0.0000
Sample #2 Date, Result	06/28/17	7.5	06/28/17	0.0000			06/28/17	0.0075	06/28/17	0.0000
Sample #3 Date, Result										
Minimum		7.5		0.0000		0.0000		0.0042		0.0000
Maximum		8.0		0.0000		0.0000		0.0075		0.0000
Average		7.8		0.0000		0.0000		0.0059		0.0000

	Molybdenum		Nickel		Silver		Thallium		Zinc	
Sample #1 Date, Result	06/15/17	0.0025	06/15/17	0.0000	06/15/17	0.0000	06/15/17	0.0000	06/15/17	0.0220
Sample #2 Date, Result					06/28/17	0.0000	06/28/17	0.0000		
Sample #3 Date, Result										
Minimum		0.0025		0.0000		0.0000		0.0000		0.0220
Maximum		0.0025		0.0000		0.0000		0.0000		0.0220
Average		0.0025		0.0000		0.0000		0.0000		0.0220

	Bis(2-ethylhexyl)phthalate		Fluoranthene		Fluoride		Mercury		Ammonia	
Sample #1 Date, Result	06/15/17	0.0260	06/15/17	0.0000	06/15/17	0.2000	06/15/17	0.0000	06/15/17	3.6000
Sample #2 Date, Result					06/28/17	0.2100			06/28/17	4.8000
Sample #3 Date, Result										
Minimum		0.0260		0.0000		0.2000		0.0000		3.6000
Maximum		0.0260		0.0000		0.2100		0.0000		4.8000
Average		0.0260		0.0000		0.2050		0.0000		4.2000

	Phosphorus		Phenols		Chromium		Available Cyanide		Oil & Grease	
Sample #1 Date, Result	06/15/17	1.5000	06/15/17	0.0000	06/15/17	0.0023	06/15/17	0.0007	06/15/17	7.9000
Sample #2 Date, Result	06/28/17	2.0500					06/28/17	0.0295	06/28/17	0.0000
Sample #3 Date, Result										
Minimum		1.5000		0.0000		0.0023		0.0007		0.0000
Maximum		2.0500		0.0000		0.0023		0.0295		7.9000
Average		1.7750		0.0000		0.0023		0.0151		3.9500

	Residual Chlorine		Biochemical Oxygen Demand		Chemical Oxygen Demand		TDS		TSS	
Sample #1 Date, Result	06/15/17	0.1700	06/15/17	37.00	06/15/17	110.00	06/15/17	370.00	06/15/17	280.00
Sample #2 Date, Result	06/28/17	0.0000			06/28/17	230.00	06/28/17	320.00	06/28/17	460.00
Sample #3 Date, Result										
Minimum		0.0000		37.00		110.00		320.00		280.00
Maximum		0.1700		37.00		230.00		370.00		460.00
Average		0.0850		37.00		170.00		345.00		370.00

	Sulfate	
Sample #1 Date, Result	06/15/17	73.000
Sample #2 Date, Result	06/28/17	77.000
Sample #3 Date, Result		
Minimum		73.000
Maximum		77.000
Average		75.000

East Chicago Sanitary District: Waste Water Division
Pretreatment Monitoring Report

Jun 01, 2017 to Jun 30, 2017

Industry Name: *United States Gypsum Company*

Daily Max Limits

Parameter	Units	Daily Max Limit	Violations	TRC Exceedances
Arsenic	mg/L	1.31	0	0
Cadmium	mg/L		0	0
Copper	mg/L	0.88	0	0
Lead	mg/L	2.28	0	0
Molybdenum	mg/L	2.8	0	0
Nickel	mg/L	0.80	0	0
Silver	mg/L		0	0
Thallium	mg/L		0	0
Zinc	mg/L	5.5	0	0
Bis(2-ethylhexyl)phthalate	mg/l	1.03	0	0
Fluoranthene	mg/L		0	0
Fluoride	mg/L	30	0	0
Mercury	mg/L	0.0002	0	0
Ammonia	mg/L	134	0	0
Phosphorus	mg/L	31	0	0
Phenols	mg/L	0.96	0	0
Chromium	mg/L	7.0	0	0
Available Cyanide	mg/L	0.019	1	1
Oil & Grease	mg/L	117	0	0
Residual Chlorine	mg/L		0	0

Other Limits

Parameter	Units	Daily Minimum	Daily Maximum	Violations
Field pH	su	5	10	0

**Site Specific Limit*

***If not specified, the unit is in mg/L*

# of Violations and # of TRC Violations based upon 2018 adopted Local Limits

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